Program: **Hemp Logic Model** (uses text boxes: add/change boxes and arrows as needed)

**Situation:** The Agricultural Act of 2014 (Farm Bill) provided for legal pilot research programs with hemp administered by the Kentucky Department of Agriculture. The Hemp Farming Act of 2018 removed hemp (defined as cannabis with less than 0.3% THC) from Schedule I controlled substances and making it an ordinary agriculture commodity, availing hemp farmers of water rights and federal agricultural grants, and make national banking systems accessible to farmers and other involved, and allow for other benefits of production of a recognized crop such as marketing, agronomic research and crop insurance.

**Inputs**

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**Outputs**

- Publication
  - [http://www2.ca.uky.edu/agcomm/pubs/ID/ID250/ID250.pdf](http://www2.ca.uky.edu/agcomm/pubs/ID/ID250/ID250.pdf)
- Workshops
- Research Reports
  - [https://hemp.ca.uky.edu/reports](https://hemp.ca.uky.edu/reports)
- Field Days
- Website
- Information releases
- Phone consultation
- Informational Videos

**Activities**

- Current Producers
- New Producers
- Grain Processors
- Fiber Processors
- Flower Processors
- Loan officers
- FSA Offices
- Community Banks
- County Ag Investment Program Board
- Legislators
- Commodity Boards
- Aggregators or Elevators
- Crop Insurance

**Participation**

- Workshops
- Newsletters
- Information releases
- Consumers
- Community leaders

**Short**

- Name the federal agencies associated with hemp production regulations
- Locate government regulations and research-based information
- Identify barriers
- Recognize plant varieties for grain, fiber, and flower
- Distinguish between male and female flowers
- Match harvestable components end uses (i.e., fiber, grain, cannabinoids)
- Discuss establishment, management, and harvest of varieties for purposes
- Work with new producers within ag sector
- Enhanced Production Budgets

**Medium**

- Evaluate potential land use (deep well drained soil)
- Test soil
- Determine plant source (seed, clone, transplant)
- Calibrate equipment
- Calculate seed rate
- Research varieties based on harvestable component of interest
- Choose varieties from proven performers
- Conduct a germination test
- Uses UK Weather Center to determine applications and plantings
- Made decisions using UK resources
- Abide by US EPA rules and policies related to pesticides (herbicides, insecticides, fungicides, nematicides, etc.)
- Maintain farm records
- Retool equipment for hemp production
- Review contracts with legal experts

**Long**

- Kentucky agriculture economy will be more diversified
- Increased production of Hemp in Kentucky
- Markets will increase for Hemp
- Increase in value added products with Hemp
- Reduce or minimize financial risk
- Equipment development for hemp
- Advocate for Kentucky hemp production and products

**Advocate for Kentucky hemp production and products**

**Outputs**

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